

(No Model.)

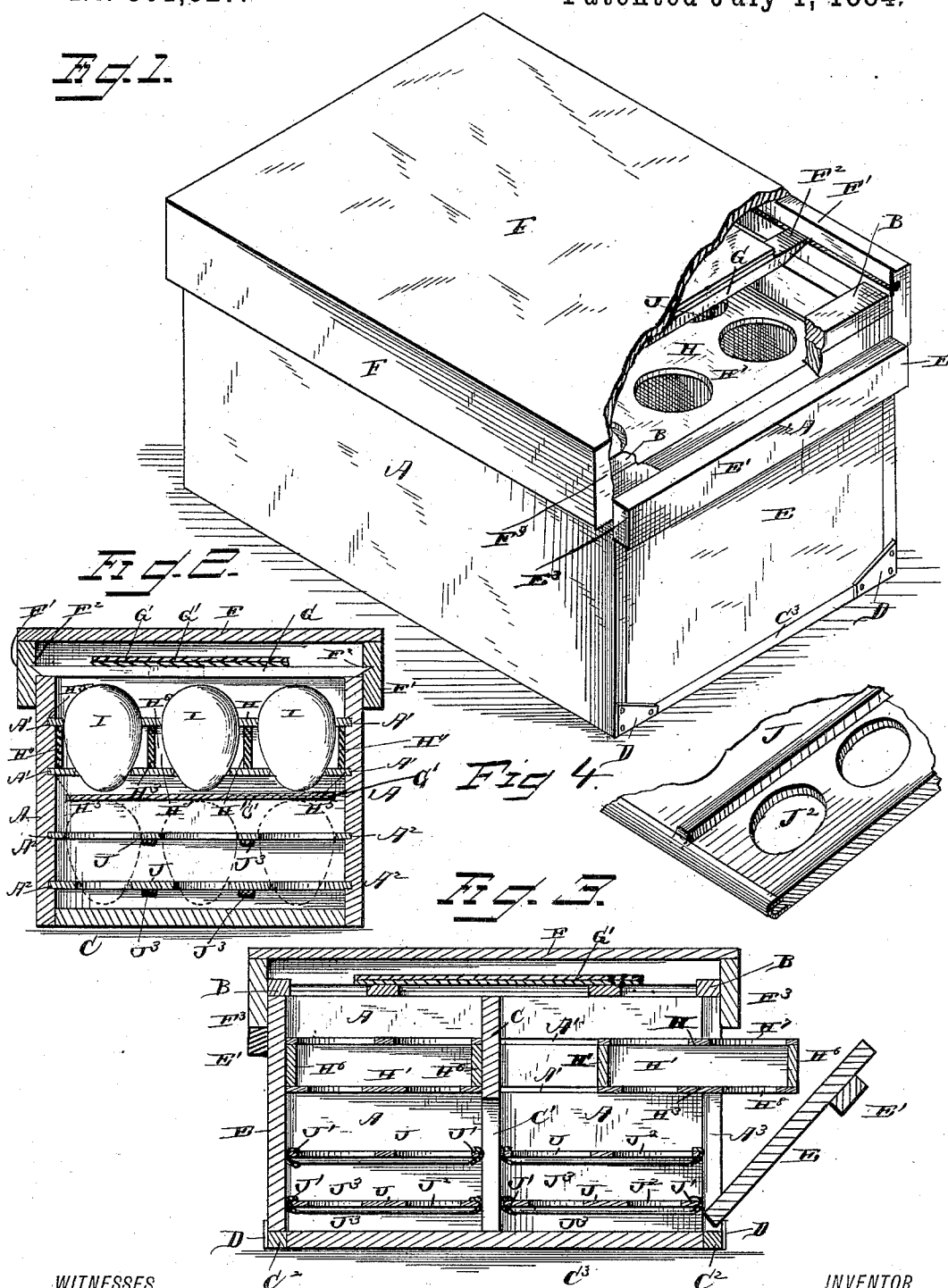
C. C. BALL.

EGG CASE.

No. 301,327.

Patented July 1, 1884.

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WITNESSES

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CHARLES C. BALL, OF FIELDING, ILLINOIS.

EGG-CASE.

SPECIFICATION forming part of Letters Patent No. 301,327, dated July 1, 1884.

Application filed October 15, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. BALL, a citizen of the United States, residing at Fielding, in the county of De Kalb and State of Illinois, have invented certain new and useful Improvements in Egg-Cases, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to egg-cases; and it consists in the parts which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the case, with a part of the top and upper end broken away. Fig. 2 is a vertical transverse section. Fig. 3 is a central longitudinal section, and Fig. 4 is a perspective view of a portion of one of the lower tray-sections inserted.

Like letters indicate like parts throughout the several views.

A represents the sides of the case, united at the front and back by top strips, B.

C is a central cross-partition running from the top of the case to a point about half-way down.

C' are inside vertical strips secured to the inside of the sides. The partition C and strips C' limit the inward movement of the double and single trays, which will be hereinafter specified.

C² are front and back strips on the ends of the bottom board, C³.

D are corner triangular metallic strips, within which the corner of the doors E rests. Said doors are provided with cross-strips E'.

F is the top for the case, provided with the side pieces, F', and end pieces, F². G is a cross-bar whose ends fit into grooves F² on the inside of the cover-sides F'.

G' are a series of layers of pasteboard sheets secured within the cover by means of the strips G.

H is a double tray, having back and front pieces, H', and bottom piece, H².

H' are longitudinal partitions in the double trays.

H² is a large circular opening in the top of the tray, and H³ a smaller opening in the bottom of the tray. The top and bottom of this tray are composed of pasteboard or other flexible material. The openings therein are adapted to receive a layer of eggs. The pasteboard

sheets G' are employed between the layers of eggs to prevent breakage in transit. The opening H' in the top of the tray is larger than the bottom opening, H³. This is to conform to the different diameters of an egg, as shown in Fig. 2.

J represents a single tray in the lower part of the case. This tray is of pasteboard, and provided with metallic tips J' on its front and inner sides. These tips are to protect the pasteboard and strengthen the tray.

J² are wooden strips under each of the single trays, to add strength. The trays J are placed in the case in the grooves A². Said grooves lie parallel, and they are on the inside of the case. These single trays are used in pairs—that is to say, two of them are required for one layer of eggs. The openings in the upper tray are larger than the openings in the tray immediately under it. This is for the purpose of securely holding the eggs and conforming to their shape, as hereinbefore specified.

A' are parallel grooves on the inside of the case for the reception of the ends of the double tray H², which extend flange-like beyond the outside partitions, H', as shown in Fig. 2. Both the single and double trays are removable from the case at pleasure.

The eggs in the case are represented by the letter I. The end doors, E, are removable. Said doors are provided with strips, which project out on either side, as shown by E², Fig. 1. These projections prevent the door from being forced in, and the strip itself serves, when the door is in position, as a rest for the end pieces, F², of the cover—that is to say, the cover, when the doors are in place, rests upon the strips E'.

This egg-case is to be made of suitable lumber in two sizes—one for shipping eggs, and to hold about thirty dozen; the other a case for farmers' use, to carry eggs to market, and to hold about fifteen dozen, and to be so constructed that the single trays and pasteboard layers may be removed and placed in the cover after the eggs have been removed. The box may then be used to carry home groceries in.

The advantages of my case are: The eggs can be tested much quicker by it than by the old-fashioned way of "candling" one egg at a time. By filling the case with eggs and opening both ends, so that the air may circulate be-

tween the eggs, and keeping it in a dry, cool cellar, the eggs will keep through hot weather.

I claim—

1. The combination, in an egg-case, of the sides, grooved as described, tray-sections sliding in said grooves, and provided with openings for the reception of eggs, the openings in one section being larger than those of the section below, and removable end doors, substantially as and for the purpose set forth.

2. The combination, in an egg-case, of the sides grooved, as described, the perforated egg-carrying trays, the sides of which slide in said grooves and are re-enforced by strips embracing the front and rear end, and by a strip secured to the bottom, substantially as and for the purpose set forth.

3. The combination, in an egg-case, of the sides having the inside grooves, a series of trays having openings of different diameters, the sides of the trays sliding in said grooves, and pasteboard sheets *G'* interposed between the trays, substantially as set forth.

4. In an egg-case the sides whereof are grooved, the perforated trays, in combination with the cover *F*, provided with grooves *F*² and strip *G*, whereby the pasteboard intervening layers may be secured in said cover

when not in use, substantially as described, and for the purposes set forth.

5. In an egg-case, a perforated egg-carrying tray provided with metallic end strips and under strips, whereby the tray is braced and strengthened, substantially as described, and for the purposes set forth and specified.

6. In an egg-case the sides whereof are grooved, the combination of the removable doors *E*, of the perforated trays, of the cover *F*, provided with grooves *F*², strips *G*, partition *C*, and vertical inside strips *C'*, substantially as described, and for the purposes set forth.

7. The combination, in an egg-case, of sides, grooved as described, a tray having sides and ends and perforated top and bottom, the top having openings of a larger diameter than the bottom, and the sides of the said top and bottom projecting beyond the sides of the tray and resting in the grooves in the sides of the case, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

C. C. BALL.

Witnesses:

E. H. GARDNER,

CHARLES MILLIKEN.